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Clean Copy of the Amended Claims:

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1. (Twice amended) An isolated nucleic acid coding for a human MiRP1 polypeptide, said polypeptide having the amino acid sequence set forth in SEQ ID NO:2 or an isolated nucleic acid which is the full complement of said nucleic acid coding for a human MiRP1 polypeptide.

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5. (Twice amended) An allele specific probe or primer which hybridizes to a nucleic acid encoding a polypeptide of SEQ ID NO:2 under stringent hybridization conditions, wherein said stringent hybridization conditions comprise a temperature of at least 45°C with a salt concentration less than 200 mM and the allele-specific probe or primer hybridizes to said nucleic acid at a polymorphic site selected from the polymorphic sites consisting of nucleotide numbers 95, 98, 234 and 243 of SEQ ID NO:1

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7. (Twice amended) The probe or primer of claim 6 that comprises at least ten contiguous bases of nucleic acid encoding a polypeptide of SEQ ID NO:2 or at least ten contiguous bases of nucleic acid which is the full complement of said contiguous bases of nucleic acid encoding a polypeptide of SEQ ID NO:2.

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9. (Twice amended) A primer suitable for performing a single base extension reaction across a polymorphic site selected from the polymorphic sites consisting of nucleotide numbers 95, 98, 234 or 243 of SEQ ID NO:1, which primer hybridizes to a subsequence of SEQ ID NO:1 or the complement thereof, which subsequence terminates at a base immediately adjacent to and 5' from a base selected from the group consisting of nucleotide numbers 95, 98, 234 or 243.

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25. (Twice amended) An *in vitro* cell transfected with the DNA of claim 1.

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70. (Amended) An isolated nucleic acid coding for a mutated form of the MiRP1 polypeptide sequence set forth in SEQ ID NO:2, wherein said mutated form comprises a mutation selected

from the group consisting of: an Ala at amino acid 8; a Glu at amino acid 9; a Thr at amino acid 54; and a Thr at amino acid 57.

B1a
sub
C1

71. (Amended) An isolated nucleic acid coding for (a) a mutated form of the nucleotide sequence set forth in SEQ ID NO:1 or (b) a nucleic acid which is the full complement of said nucleic acid, wherein said mutated form comprises nucleotides 74-442 of SEQ ID NO:1 having a nucleotide change selected from the group consisting of: an A to a G at nucleotide 95; a C to a G at nucleotide 98; a T to a C at nucleotide 234; and a T to a C at nucleotide 243.

72. (Amended) An allele specific probe or primer which hybridizes to the DNA of claim 70 under stringent hybridization conditions, wherein said stringent hybridization conditions comprise a temperature of at least 45°C with a salt concentration less than 200 mM, wherein the allele specific probe or primer hybridizes to said DNA at a polymorphic site selected from the group consisting of nucleotide numbers 95, 98, 234 and 243.

A2
B2
sub
C1

74. (Amended) An isolated nucleic acid encoding a human MiRP1 polypeptide having (a) the nucleotide sequence set forth in SEQ ID NO:1 or (b) a nucleic acid which is the full complement to said sequence.